

[METHOD AND APPARATUS FOR EXAMINING OBSTRUCTED WELDS]

Abstract of Disclosure

A method and apparatus is provided for inspecting a series of obstructed welds, such as those used in attaching the jet pump diffuser to a baffle plate using a jet pump adapter within a boiling water nuclear reactor (BWR). The apparatus comprises a support, a frame with holding mechanisms, a connector, a carrier and a sensor assembly and the method can comprise positioning the apparatus so that it partially surrounds the jet pump near the baffle plate attachment region and is temporarily held in place. The sensor assembly then positions a sensor adjacent an area of interest and the carrier is rotated along the frame to scan the sensor along the surface being inspected to acquire data regarding the quality or nature of the material, such as the quality of a weld.



Figures